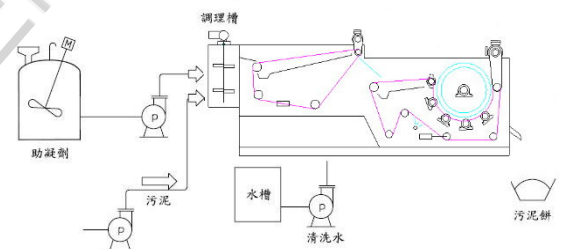


Belt Filter Press DC type



★ Features

- ✱ Filter belt for continuous running, easy to operate.
- ✱ Suitably used for various Kinds of sludge, wide range of application.
- ✱ Design of multi-dewatering area, high frequency.
- ✱ Emergency stop device and safety alarm system.
- ✱ Filter track auto truing-up and tension adjustment.
- ✱ Filter auto cleaning, less water required for cleaning.
- ✱ Filter is easy to mount and replace.
- ✱ Less liquid medicine required, low cost for operating.
- ✱ Fully auto running, stable treatment capacity.
- ✱ Low speed for running, noiseless, and power-saving.



Specification

Model	Capacity (m3/hr)	Belt Width (mm)	Washing Capacity (m3/hr)	Air Compressor (hp)	Drive Motor (hp)	Mixer (hp)	Belt Tension Adjustment	Washing Pump (hp)	Dimension l*w*h(mm)
DC-500-D	1~2	500	3	1/2	1/2	1/4	Screw	3	2250*1000*1910
DC-800-D	1.5~2.5	800	6	1/2	1/2	1/4	Screw	5	2250*1310*1900
DC-1000-D	2~4	1000	8	1/2	1/2	1/4	Screw	5	2250*1510*1900
DC-1200-D	3~5	1200	10	1/2	1/2	1/4	Screw	5	3000*1700*2400
DC-1500-D	6~8	1500	14	1/2	1	1/4	Screw	5	3300*2020*2400





FP-006 Single Belt Filter Press

Purpose :

- Liquid/solids separation through pressure filtration.

Applications :

- Municipal Wastewater
- Food Processing Wastewater
- Poultry and Slaughtering Waste
- Pulp & Paper Wastewater
- Petrochemical Wastewater

Features:

- › Single belt design:
Single filter belt circulation is suitable for a small quantity application.
- › Low capital and O/M costs:
Simple structures, less breakdown and easy to maintain.
- › Easy operation :
Automatic operating while dewatering.
- › High applicability :
Suitable for various slurry waste with coagulant/polymer additions.

Characteristics

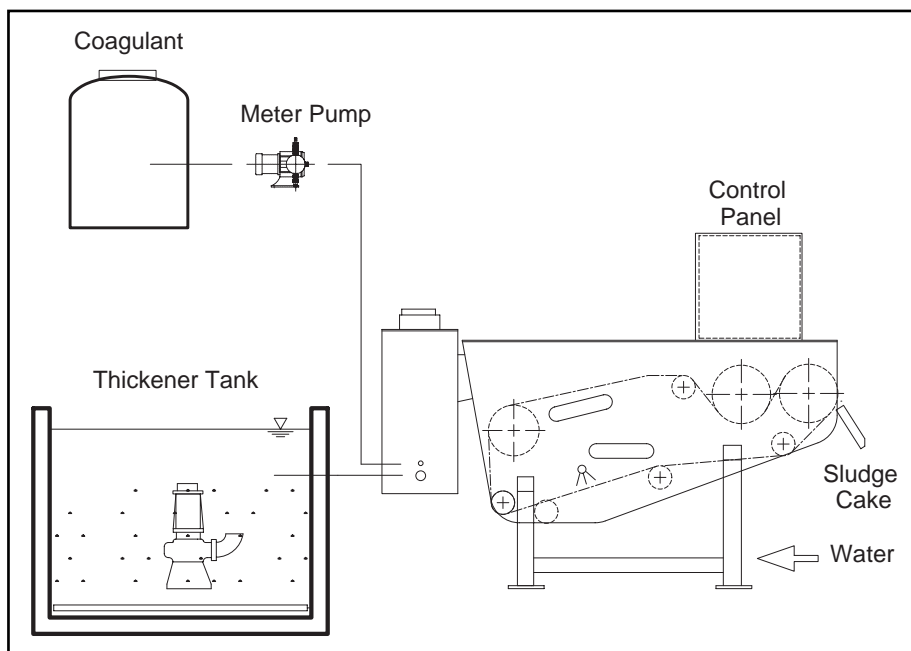
- › Durable mainframe body is made of steel unity.
- › Circulated by only one filter belt.
- › Adjustable belt velocity from 1 m³/min to 9 m³/min.
- › Automatic belt alignment to adjust/correct the belt migration.

Single Belt Filter Press

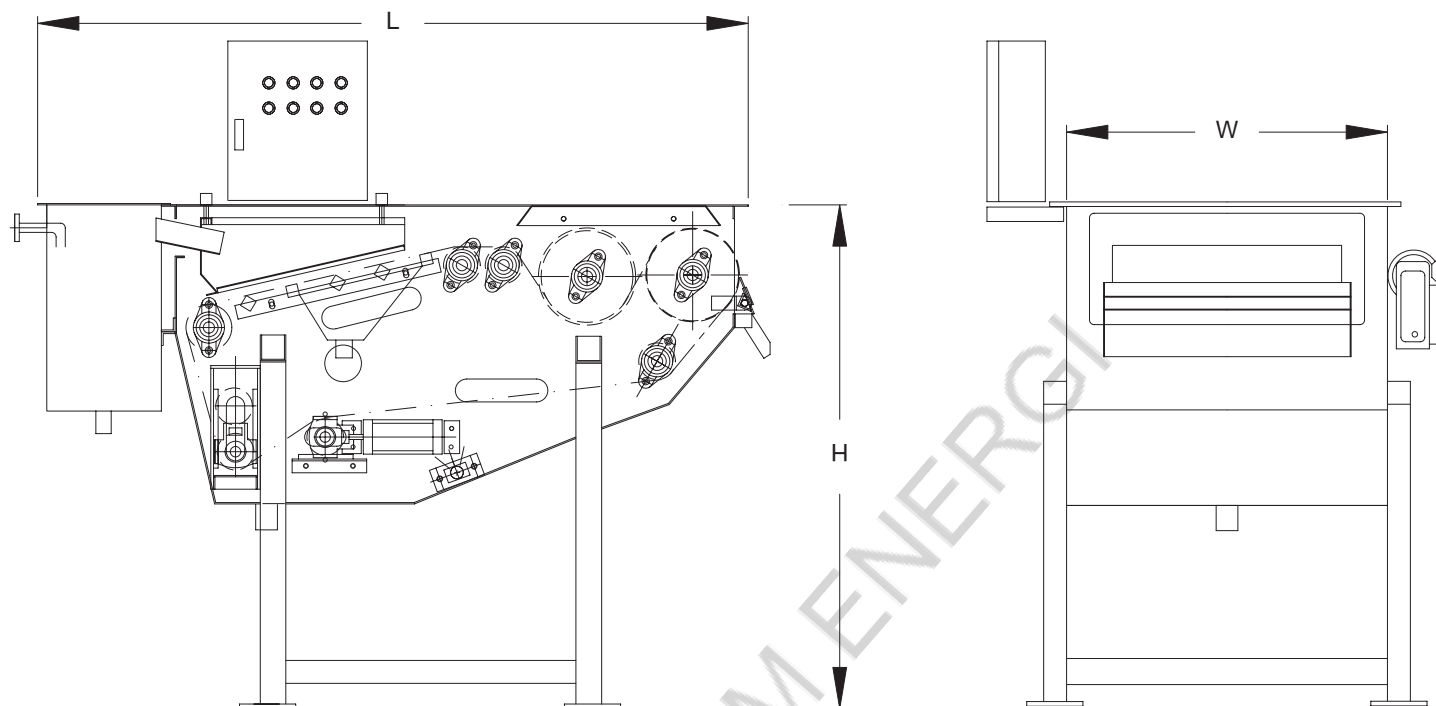
The belt filter press is a continuous-feed dewatering device that applies chemical conditioning, gravity draining, and mechanical pressure to dewater sludge. The sludge/slurry is sandwiched between tensioned belts and rolls, by passing those belts through a serpentine of decreasing diameter rolls to remove the moistures and then dispose of the sludge cake.



Equipment Process



Equipment Drawings and Section Views



Single Belt Filter Press

Specifications

Model	FP500-S	FP700-S	FP1000-S
Belt Width (mm)	500	700	1000
Capacity (T / hr)	0.4-0.8	0.5-1.0	0.6-1.2
D.S. (Kg / hr)	6-12	7-14	8-16
Compressor (HP)	×	0.5	1.0
Driver Motor (HP)	0.5	0.5	0.5
Wash Pump (HP)	1.0	2.0	3.0
Mixer (HP)	1/2	1/2	1/2
Dim. LxWxH (mm)	1500×800×1100	1500×1000×1100	1500×1100×1100
Weight (Ton)	0.35	0.45	0.55





FP-007
Double Belt Filter Press

Purpose :

- Liquid/solids separation through pressure filtration.

Applications :

- Municipal Wastewater
- Food Processing Wastewater
- Poultry and Slaughtering Waste
- Pulp & Paper Wastewater
- Petrochemical Wastewater

Features:

- › Dual filter belt design :
Dual filter belt circulation is suitable for a large quantity application.
- › Low capital and O/M costs :
Simple structures, less breakdown and easy to maintain.
- › Easy operation :
Automatic operating while dewatering.
- › High applicability :
Suitable for various slurry waste with coagulant/polymer additions

Characteristics

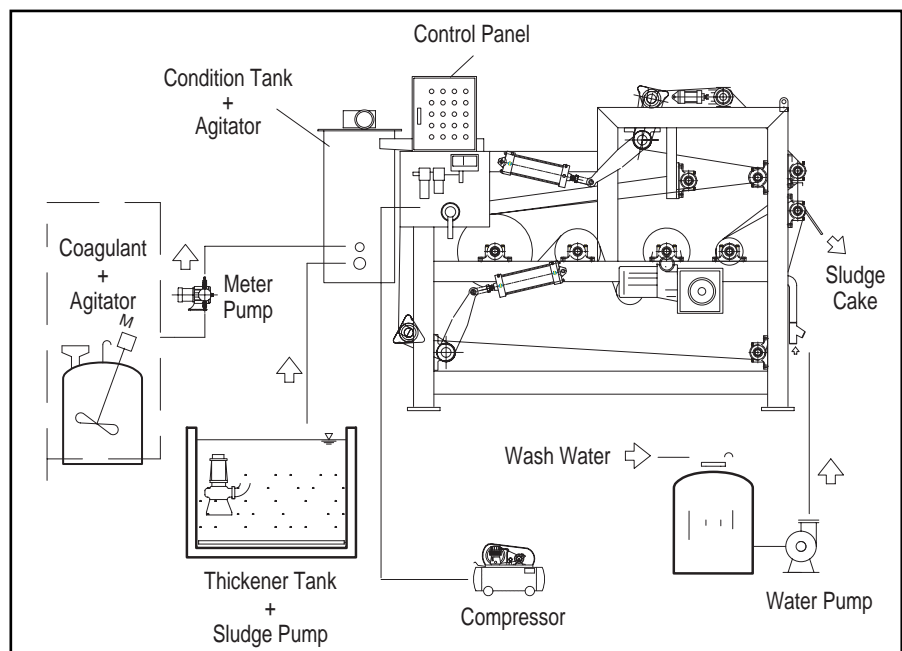
- › Double filter belt : Circulated by two belts at top and bottom for fast and high rate dewatering.
- › Adjustable operating velocity from 1 m³/min to 9 m³/min.
- › Each high-press belt is equipped with tension controller to avoid uneven tension.
- › Sludge leveler : Keep the thickness of sludge even to enter the low-pressure rolls.
- › Low-pressure dewatering : Increasing the pressure by a stationary wedge to dewater after the discharging of free water and agglutinated water.
- › Low-pressure of gear-like rolling : Pressed by the gear-like rolls to discharge the surplus water.
- › Mid-pressure rolling of increasing pressure to remove moisture from the sludge flocs.
- › High-pressure shear rolling to press the gelatinous water by share forcing two filter belts.
- › Washing water can be reused and is adjustable to save up to 50% of washing water.
- › Belt alignment device can adjust the belt migration automatically.

Double Belt Filter Press

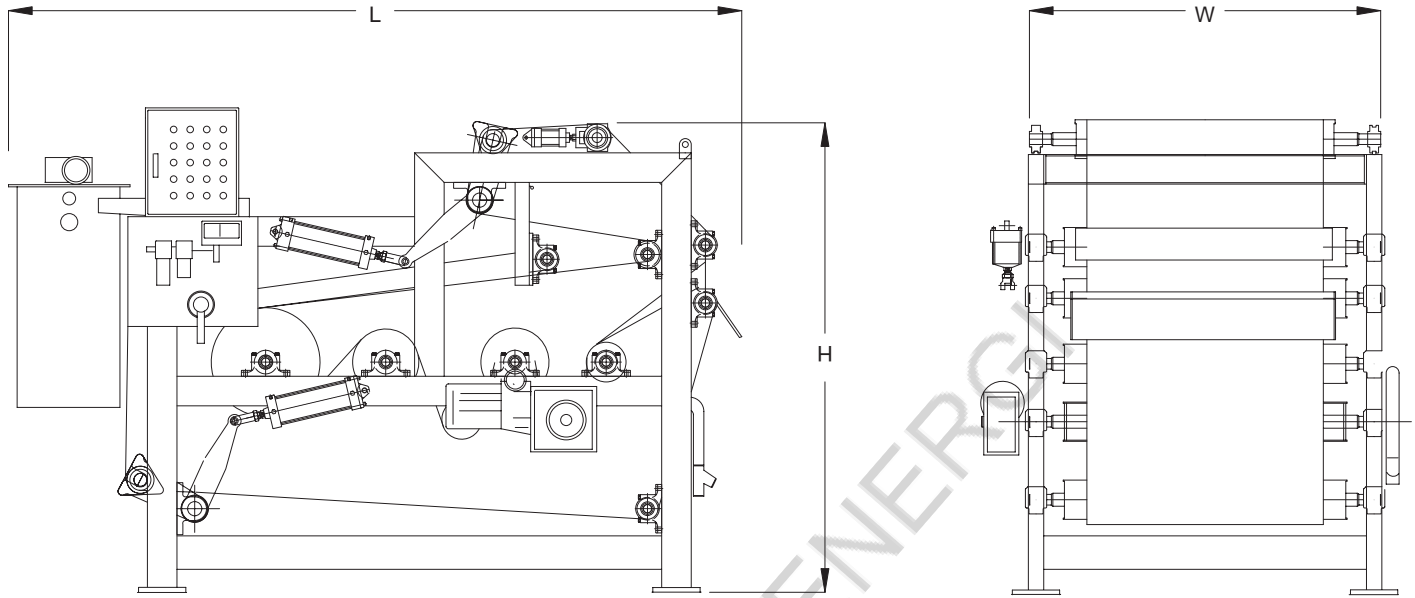
The belt filter press is a continuous-feed dewatering device that applies chemical conditioning, gravity draining, and mechanical pressure to dewater sludge. The sludge/slurry is sandwiched between tensioned belts and rolls, by passing those belts through a serpentine of decreasing diameter rolls to remove the moistures and then dispose of the sludge cake. The compressed sludge is reversed several times to be pressed by low - medium and high pressures between two belts, and passively dewatered by squeezing of the rolls



Equipment Process



Equipment Drawings and Section Views



Double Belt Filter Press

Specifications

Item Model	Belt Width (mm)	Capacity (T/hr)	D.S. (Kg/hr)	Power (HP)				Dimension LxWxH (mm)	Weight. (Ton)
				Com- pressor	Drive Motor	Wash Pump	Mixer		
FP500-D	500	0.6 - 2	6 - 40	1.0	1.0	3.0	1/2	3000x900x1800	0.8
FP800-D	800	1.8 - 4	18 - 80	1.0	1.0	3.0	1/2	4100x1300x2100	2.0
FP1000-D	1000	3 - 6.5	30 - 130	1.0	1.0	5.0	1/2	4100x1500x2100	2.8
FP1200-D	1200	4 - 8	40 - 160	2.0	1.5	5.0	1/2	4100x1700x2100	3.2
FP1500-D	1500	6 - 14	60 - 280	2.0	2.0	5.0	1	4300x2000x2200	3.6
FP1700-D	1700	10 - 16	100 - 320	3.0	2.0	7.5	1	4300x2200x2200	4.0
FP2000-D	2000	14 - 20	80 - 380	3.0	3.0	7.5	1	4300x2700x2200	5.0





FP-008 Triple Belt Filter Press

Purposes:

- Liquid/solids separation through pressure filtration.

Applications:

- Municipal Wastewater
- Food Processing Wastewater
- Poultry and Slaughtering Waste
- Pulp & Paper Wastewater
- Petrochemical Wastewater

Triple Belt Filter Press

The belt filter press is a continuous-feed dewatering device that applies chemical conditioning, gravity draining, and mechanical pressure to dewater sludge. The sludge/slurry is sandwiched between tensioned belts and rolls, by passing those belts through a serpentine of decreasing diameter rolls to remove the moistures and then dispose of the sludge cake. The compressed sludge is reversed several times to be pressed by low, medium and high pressures between two belts, and passively dewatered by squeezing of the rolls.

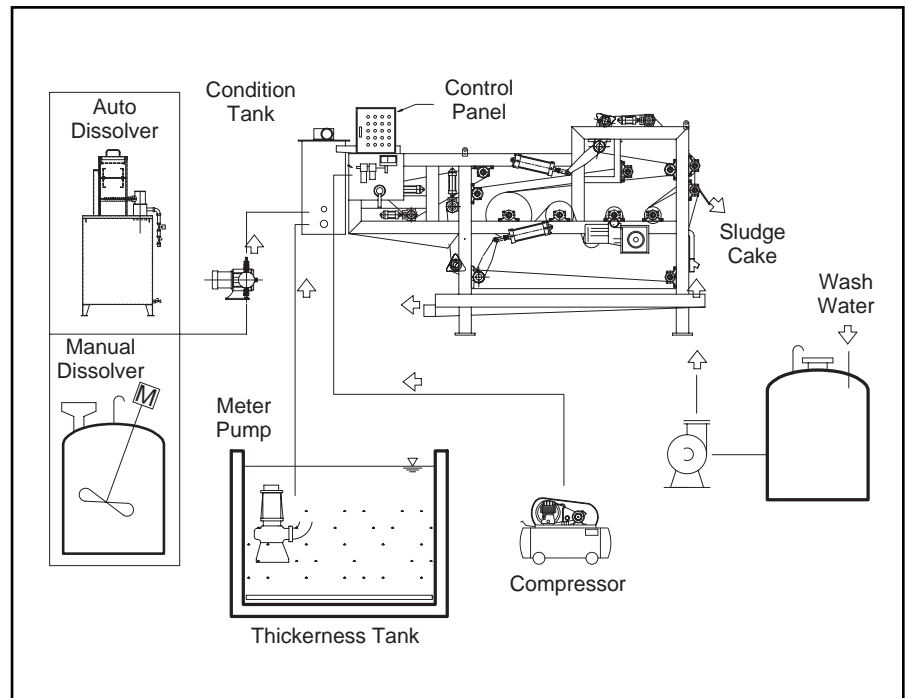
Features

- › Triple filter belt design: Triple filter belt circulation is suitable for a large quantity application continuously
- › Low capital and O/M costs : Simple structures, less breakdown and easy to maintain.
- › Easy operation : Automatic operating while dewatering.
- › High applicability : Suitable for various slurry waste with coagulant/polymer additions

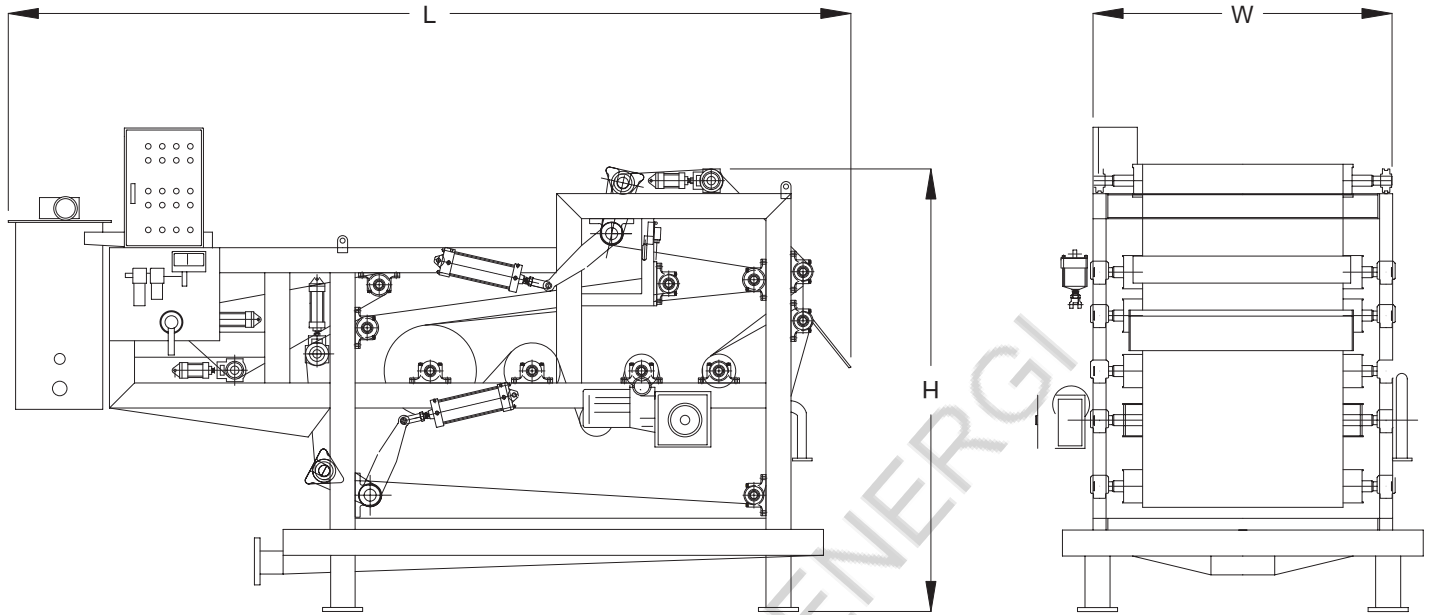
Characteristics

- › Triple filter belt design with the functions of multiple stages of compressing and dewatering.
- › Vibration of filter belt to enhance the dewatering efficiency.
- › The sludge reversed repeatedly to discharge the moistures quickly.
- › While reversing in the filter presses, greater drainage capability is provided for the sludge laminated layer.
- › Sludge leveler : Keep the thickness of sludge even to enter the low-pressure rolls.
- › Low-pressure dewatering : Increasing the pressure by a stationary wedge to dewater after the discharging of free water and agglutinated water.
- › Low-pressure of gear-like rolling : Pressed by the gear-like rolls to discharge the surplus water.
- › Mid-pressure rolling of increasing pressure to remove moisture from the sludge flocs.
- › High-pressure shear rolling to press the gelatinous water by share forcing two filter belts.
- › Washing water can be reused and is adjustable to save up to 50% of washing water.
- › Belt alignment device can adjust the belt migration automatically.

Equipment Process



Equipment Drawings and Section Views



Triple Belt Filter Press

Specifications

Item Model	Belt Width (mm)	Capacity (T/hr)	D.S (Kg/hr)	Power (HP)				Dimension LxWxH (mm)	Weight (Ton)
				Com pressor	Drive Motor	Wash Pump	Mixer		
FP500-M	500	0.9 - 2.2	8 - 45	1.0	1.5	3.0	1/2	3600x900x1800	1.2
FP800-M	800	2 - 6	20 - 120	1.0	1.5	3.0	1/2	4800x1300x2100	2.8
FP1000-M	1000	4 - 8	40 - 160	1.0	2.0	5.0	1/2	4800x1500x2100	3.5
FP1200-M	1200	6 - 10	60 - 200	1.0	2.0	5.0	1/2	4800x1700x2100	4.0
FP1500-M	1500	8 - 18	80 - 360	2.0	2.5	7.5	1	5000x2000x2200	4.6
FP1700-M	1700	16 - 22	160 - 440	2.0	2.5	7.5	1	5000x2200x2200	5.5
FP2000-M	2000	18 - 24	180 - 480	3.0	3.5	10	1	5000x2700x2200	6.5
FP2500-M	2500	20 - 30	200 - 600	3.0	3.5	10	2	5000x3000x2200	8.0

